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(TITLE OF THE DOCUMENT) Specification
(TITLE OF THE INVENTION) Ink Jet Recording Apparatus and
Method for Recycling Ink Cartridge
(SCOPE OF THE PATENT CLAIM)

(Claim 1) An ink jet recording apparatus characterized in that information of use history of an ink cartridge which includes a memory section for memorizing ink information or the like and can supplies ink to printing means of the ink jet recording apparatus can be written into said memory section in the ink cartridge.

(Claim 2) The ink jet recording apparatus according to Claim 1, wherein said information of use history represents the number of recycles of the ink cartridge.

(Claim 3) The ink jet recording apparatus according to Claim 1, wherein said information of use history represents a production date and recycle date of the ink cartridge.

(Claim 4) A method for recycling an ink cartridge which is a method for recycling an ink cartridge after use, wherein whether the ink cartridge can be recycled or not is determined by comparing the information memorized in the memory section of said ink cartridge so that it can be rewritten with set information stored in the ink jet recording apparatus.

(Claim 5) The method for recycling the ink cartridge according to Claim 4, wherein said information memorized so that it can be rewritten is the information of use history and said set information stored in the ink jet recording apparatus is the information capable of recycle.

(Claim 6) The method for recycling the ink cartridge according to Claim 4, wherein the information capable of being

rewritten represents the number of recycles of the ink cartridge and said set information represents the number capable of recycle.

(Claim 7) The method for recycling the ink cartridge according to Claim 4, wherein said information capable of being rewritten represents a production date and recycle date of the ink cartridge and said set information presents limit of lifetime.

(Claim 8) The method for recycling the ink cartridge according to Claim 4, wherein said information capable of being rewritten represents an ink end date of the ink cartridge and said set information represents the number of dates which elapses after the ink end date.

(Claim 9) The method for recycling the ink cartridge according to Claim 4, wherein said information capable of being rewritten represents using environment information of the ink cartridge and said set information represents a severe environment value.

(DETAILED DESCRIPTION OF THE INVENTION)

(0001)

(Technical Filed of the Invention)

This invention belongs to a technical field of a printing apparatus such as an ink jet printer or the like.

(0002)

(Prior Art)

In this type of a serial printer, disclosed in Japanese Patent Laid-Open No. Hei 8-310007 (known example 1), a memory having comparative data and a controlling section connected to a print controlling section are provided in a main body of